

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016425.D
 Acq On : 31 Aug 2020 21:03
 Operator : SY/VA
 Sample : L3848-18
 Misc : 5.12G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-03-A

Quant Time: Sep 01 03:00:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	139529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	239753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	221870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99360	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	78827	56.44	ug/l	0.00
Spiked Amount			Recovery	=	112.88%	
35) Dibromofluoromethane	7.89	113	75578	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.33	98	285372	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.62	95	101927	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

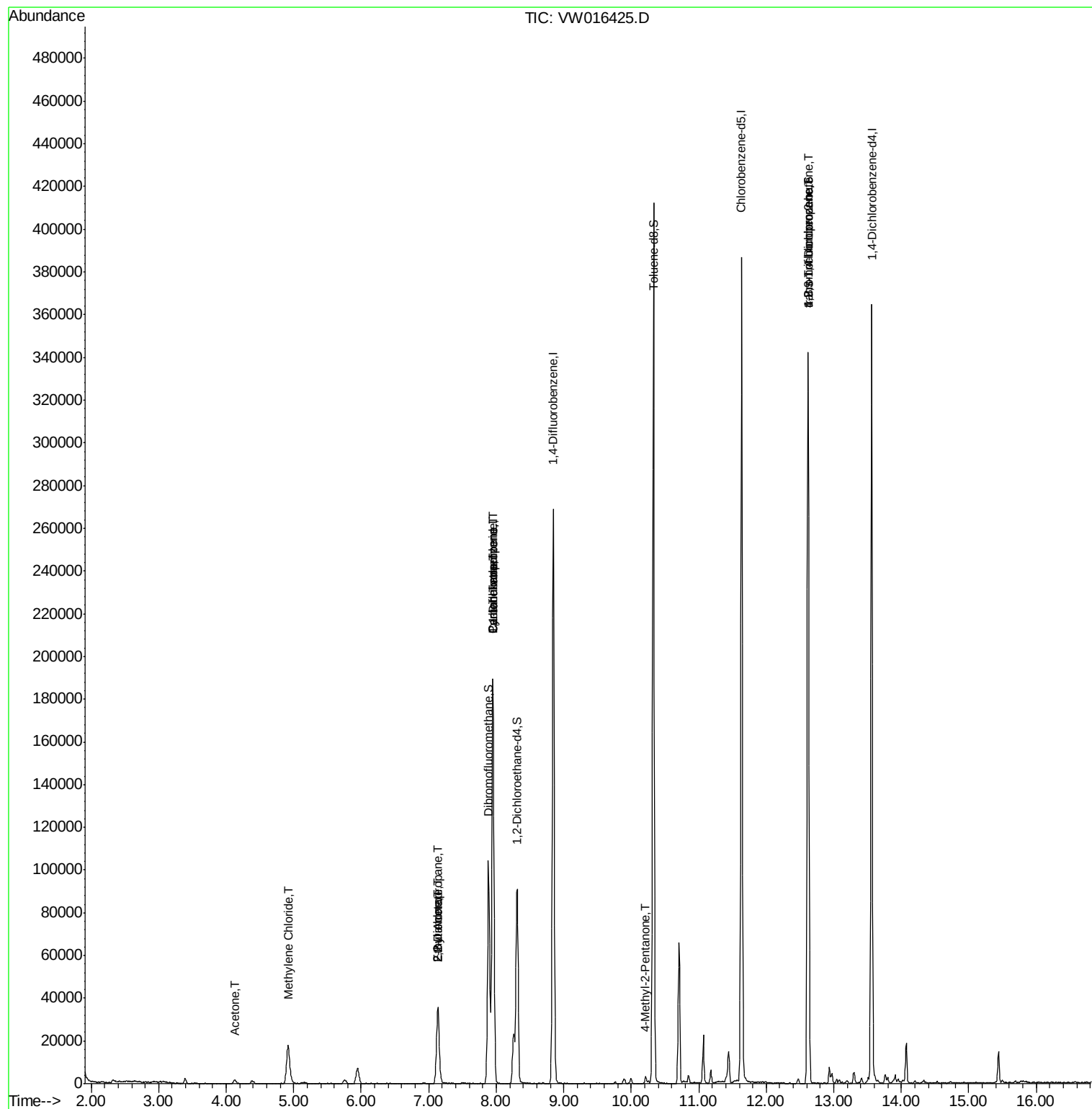
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	718	Below Cal	#	72
16) Acetone	4.12	43	3321	14.002	ug/l	99
20) Methylene Chloride	4.92	84	15501	5.283	ug/l	96
25) 2-Butanone	7.13	43	1713	5.323	ug/l #	63
26) 2,2-Dichloropropane	7.13	77	2510	1.372	ug/l #	52
31) Cyclohexane	7.95	56	2786	1.283	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	10574	4.634	ug/l #	49
37) Ethyl Acetate	7.13	43	1713	2.216	ug/l #	1
38) Carbon Tetrachloride	7.95	117	14927	5.970	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	2427	3.182	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	52514	59.770	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52514	132.701	ug/l #	11

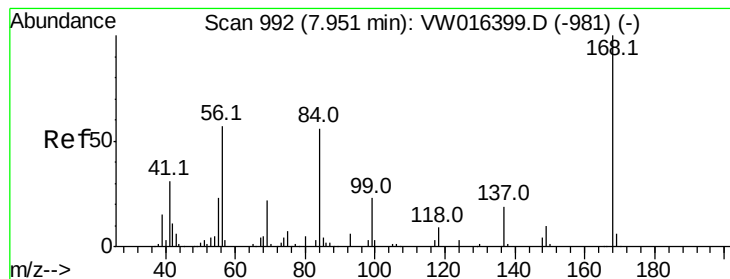
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

Instrument :

MSVOA_W

ClientSampleId :

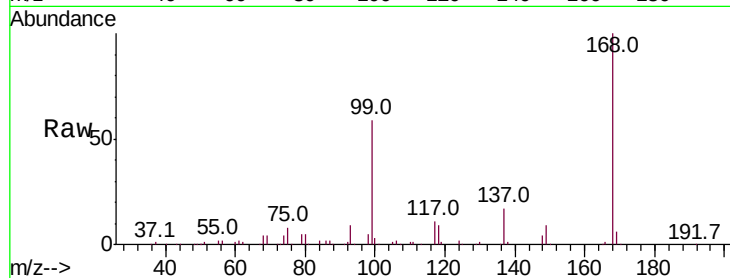
LINDEN-BH-03-A

Tot Ion:168 Resp: 139529

Ion Ratio Lower Upper

168 100

99 59.0 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

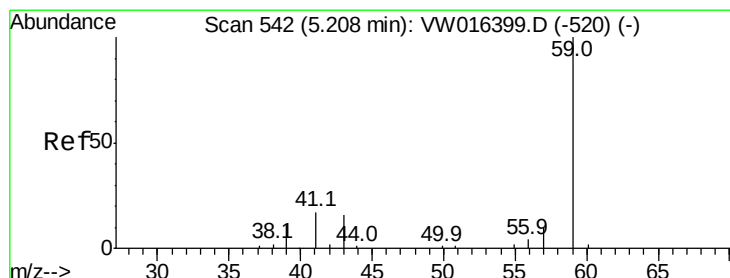
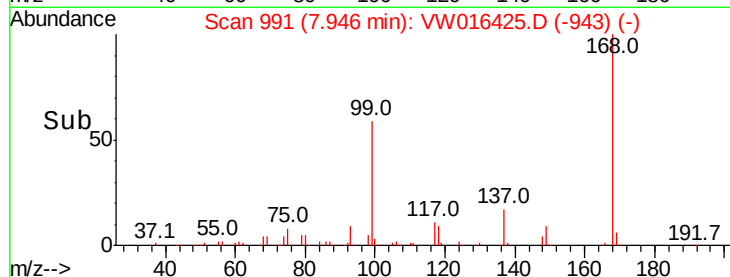
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.04 min

Lab File: VW016425.D

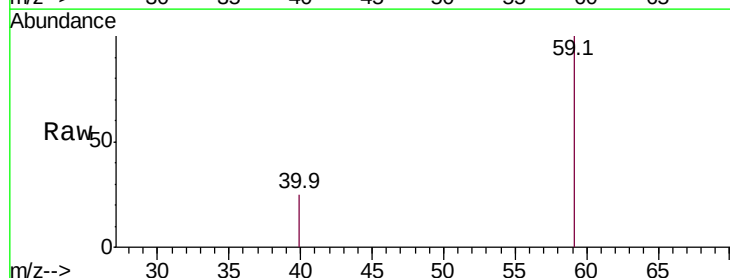
Acq: 31 Aug 2020 21:03

Tgt Ion: 59 Resp: 718

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

300

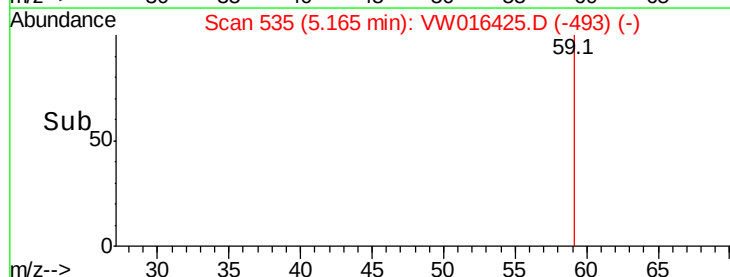
200

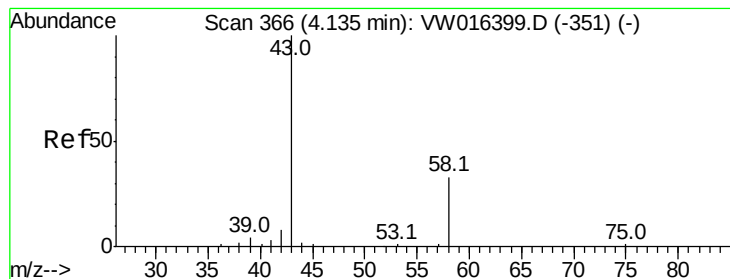
100

0

5.15 5.20

Time-->





#16

Acetone

Concen: 14.002 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

Instrument :

MSVOA_W

ClientSampleId :

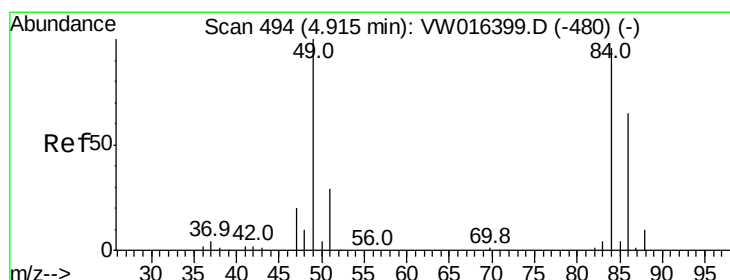
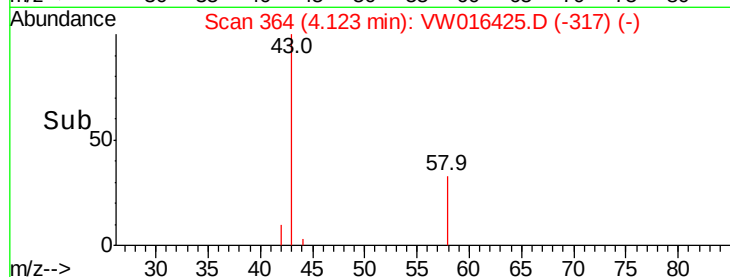
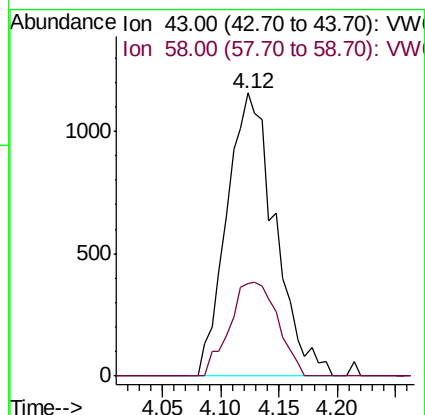
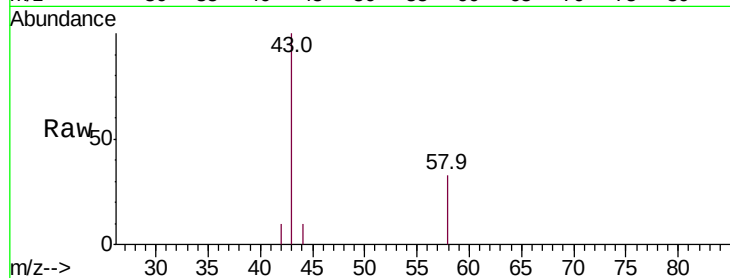
LINDEN-BH-03-A

Tot Ion: 43 Resp: 3321

Ion Ratio Lower Upper

43 100

58 32.7 26.6 39.8



#20

Methylene Chloride

Concen: 5.283 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

Tgt Ion: 84 Resp: 15501

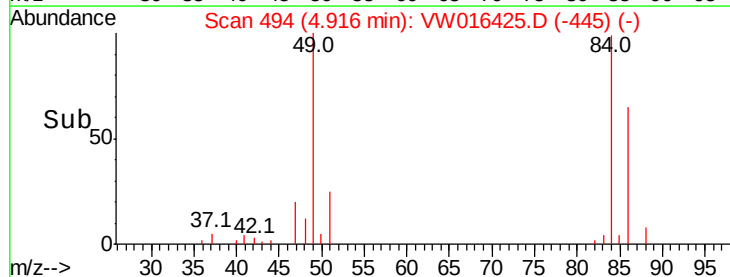
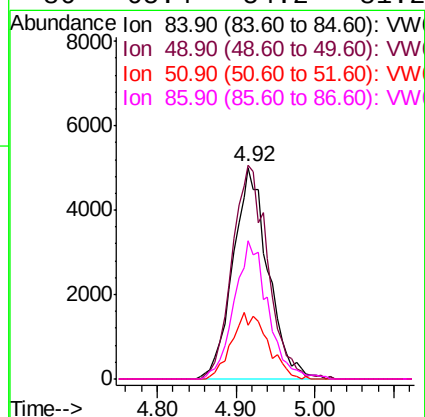
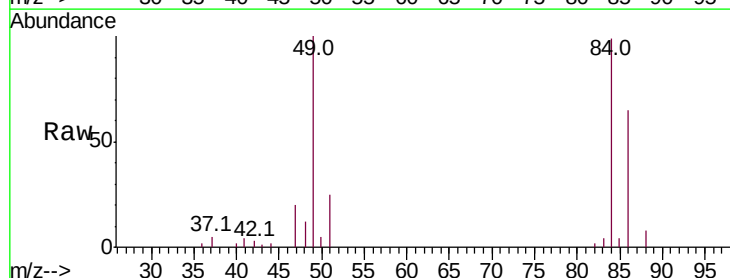
Ion Ratio Lower Upper

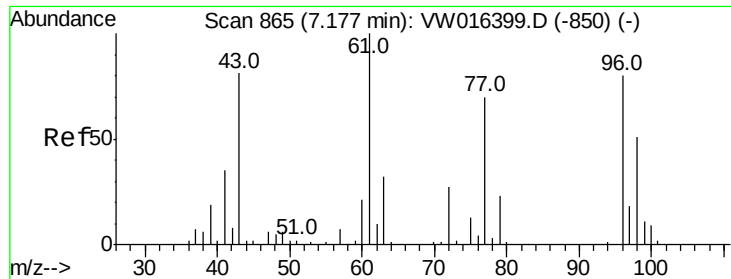
84 100

49 101.0 83.2 124.8

51 25.2 24.4 36.6

86 65.4 54.2 81.2





#25

2-Butanone

Concen: 5.323 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

Instrument :

MSVOA_W

ClientSampleId :

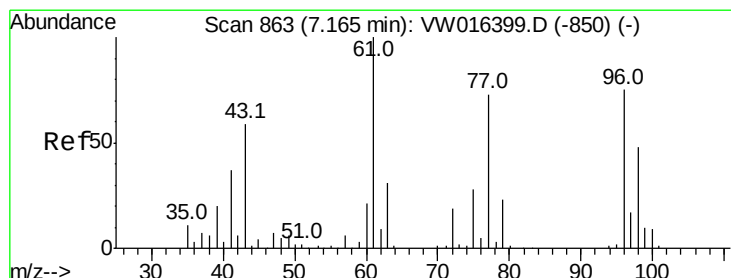
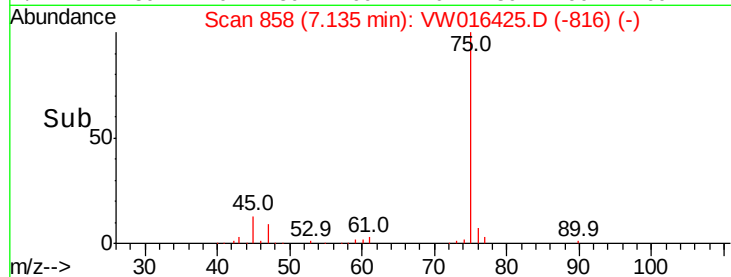
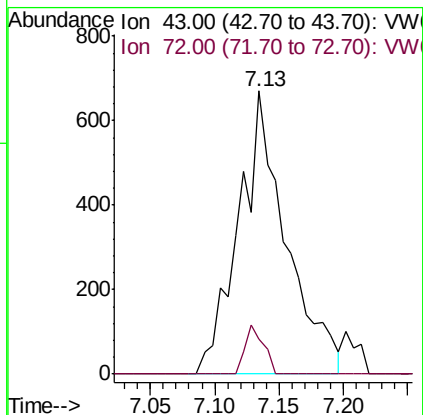
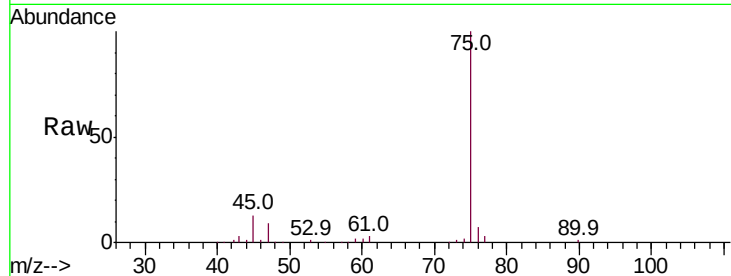
LINDEN-BH-03-A

Tot Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

72 12.2 26.7 40.1#



#26

2,2-Dichloropropane

Concen: 1.372 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW016425.D

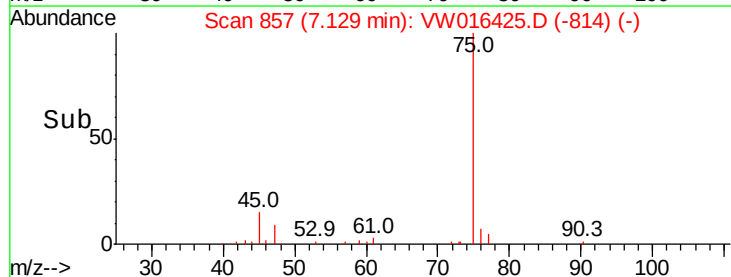
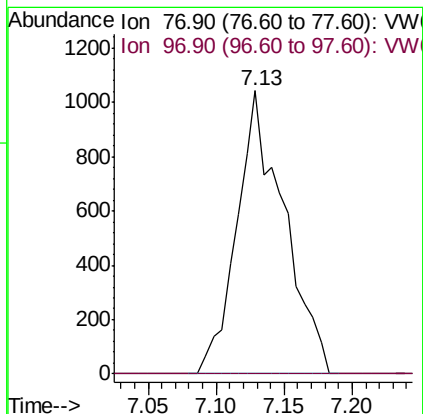
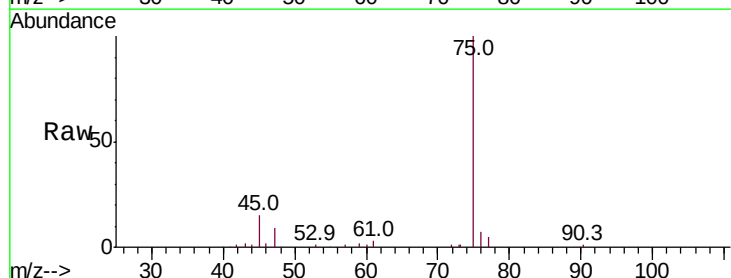
Acq: 31 Aug 2020 21:03

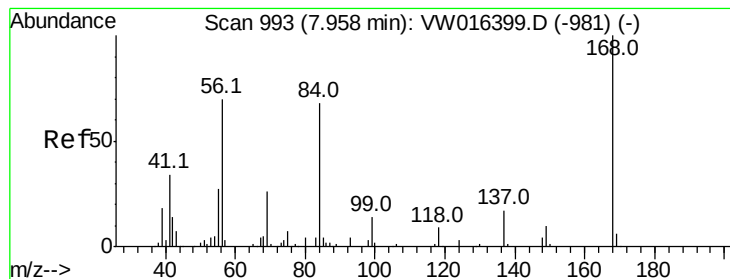
Tgt Ion: 77 Resp: 2510

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-03-A

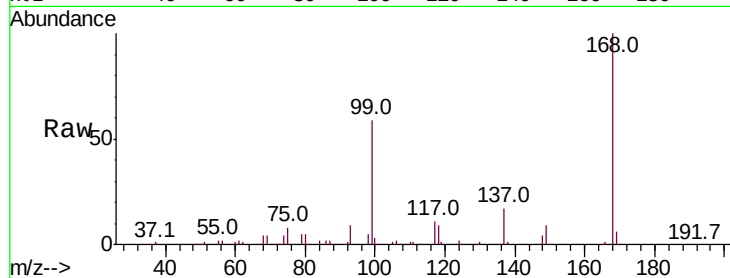
Tot Ion: 56 Resp: 2786

Ion Ratio Lower Upper

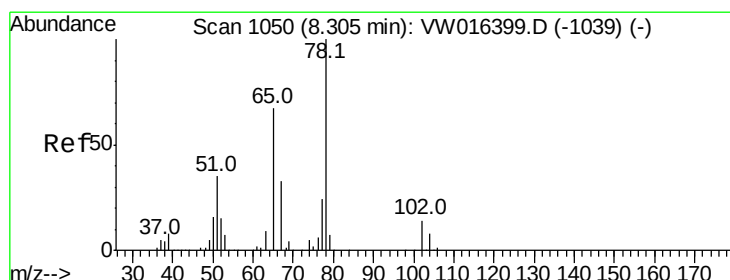
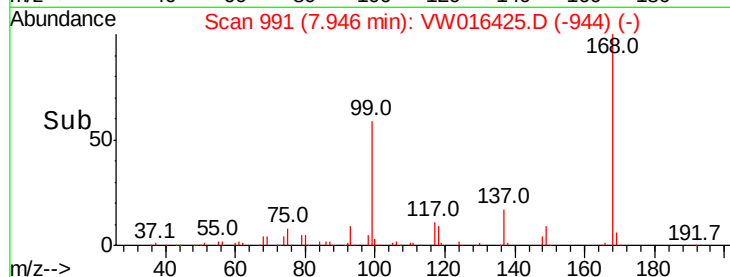
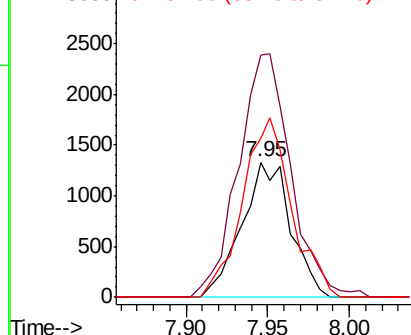
56 100

69 179.9 30.0 45.0#

84 118.3 77.4 116.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 56.436 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW016425.D

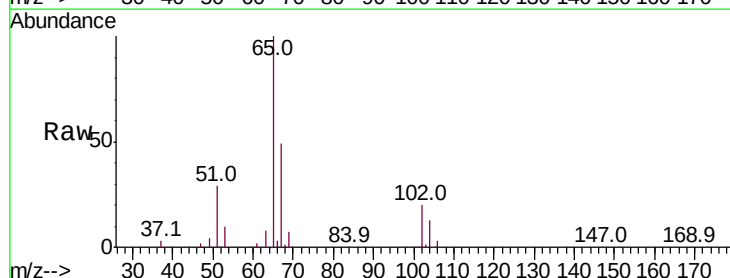
Acq: 31 Aug 2020 21:03

Tgt Ion: 65 Resp: 78827

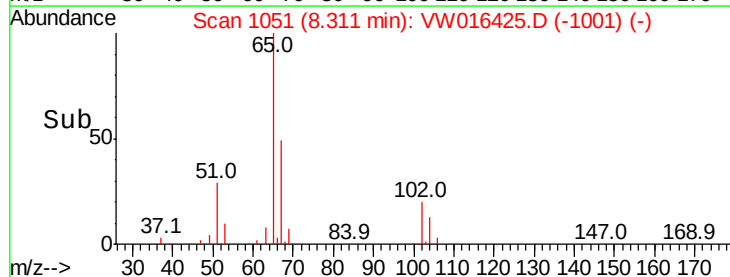
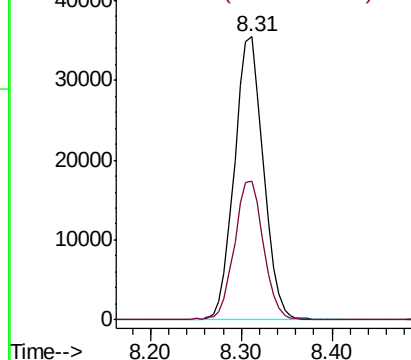
Ion Ratio Lower Upper

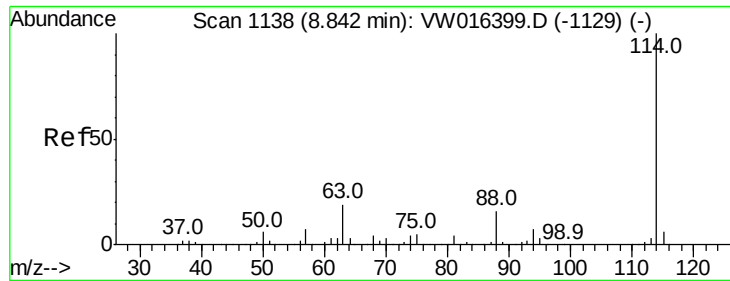
65 100

67 49.4 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

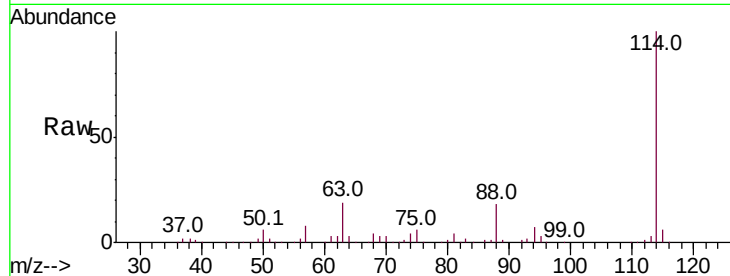




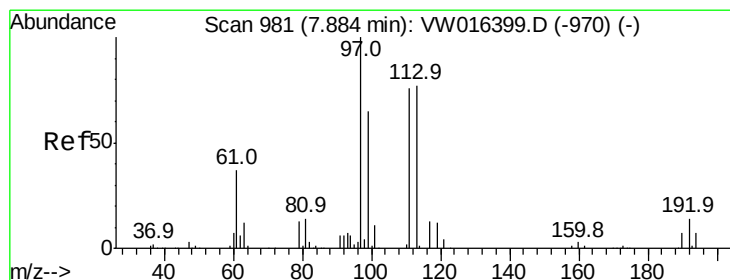
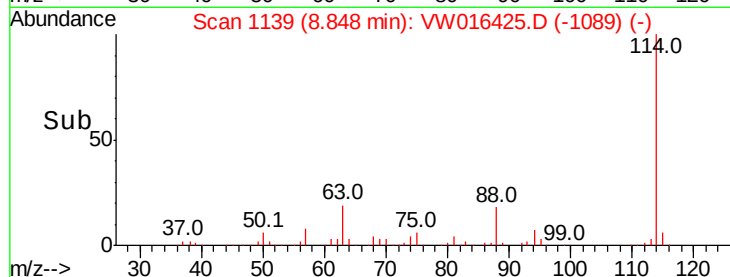
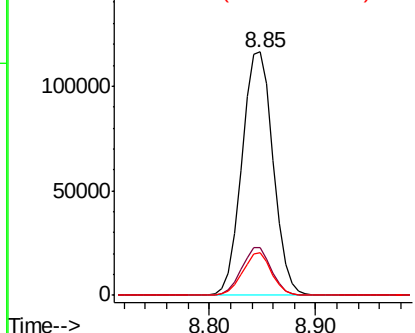
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016425.D
 Acq: 31 Aug 2020 21:03

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-03-A

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	37.8
88	17.6	0.0	31.2

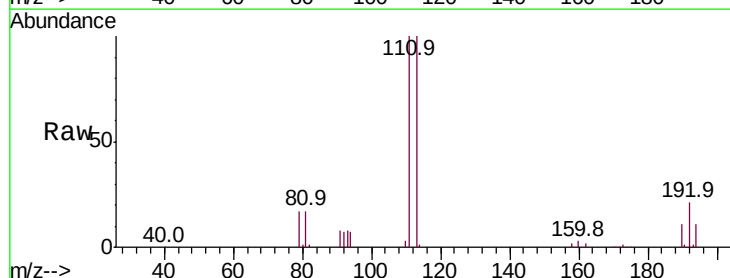


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

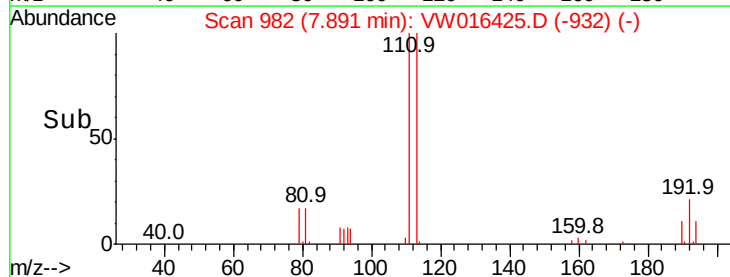
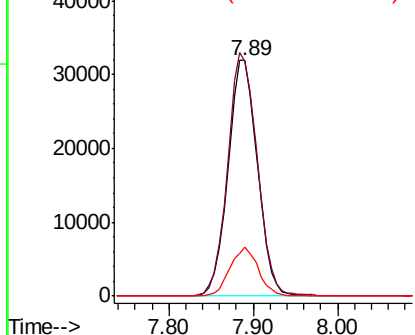


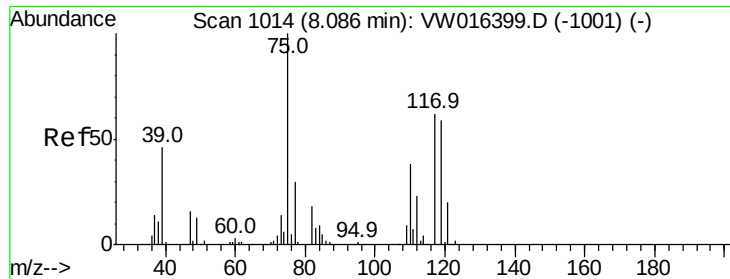
#35
 Dibromofluoromethane
 Concen: 49.802 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW016425.D
 Acq: 31 Aug 2020 21:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.1	123.1
192	19.9	15.5	23.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.634 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

Instrument :

MSVOA_W

ClientSampleId :

LINDEN-BH-03-A

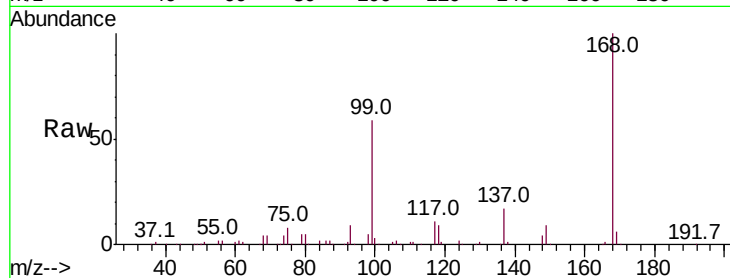
Tot Ion: 75 Resp: 10574

Ion Ratio Lower Upper

75 100

110 9.2 18.6 56.0#

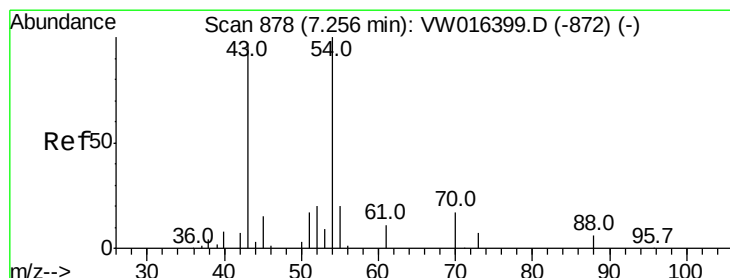
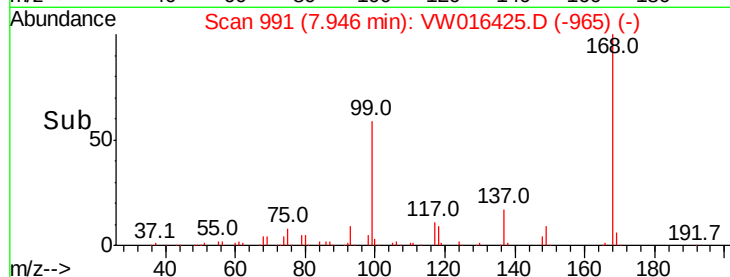
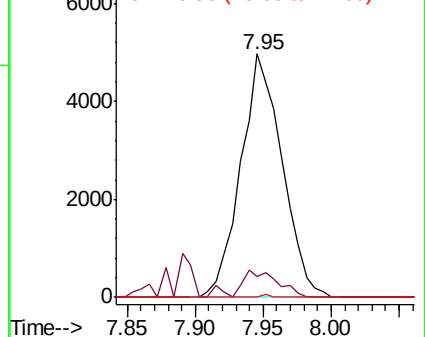
77 0.2 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2.216 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.12 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

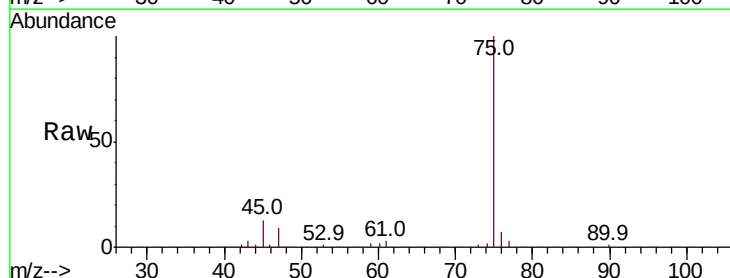
Tgt Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

61 99.3 11.5 17.3#

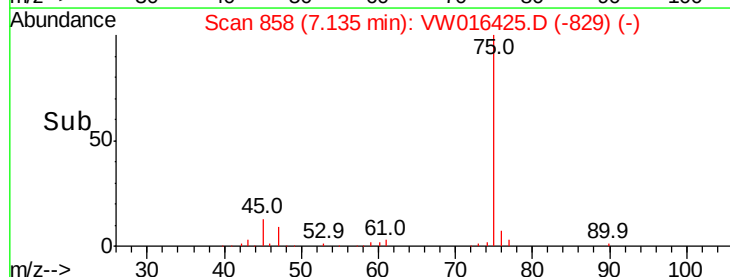
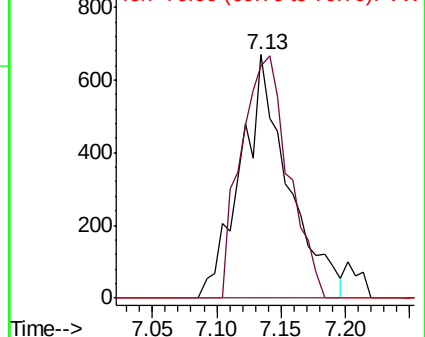
70 0.0 10.7 16.1#

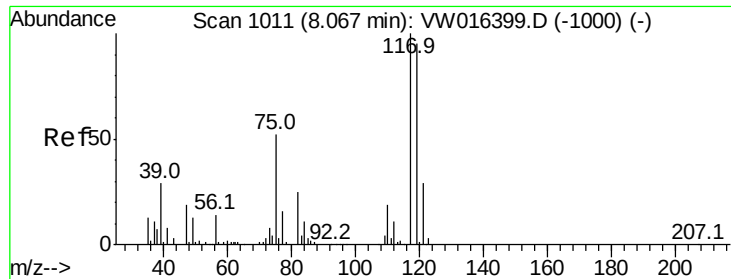


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

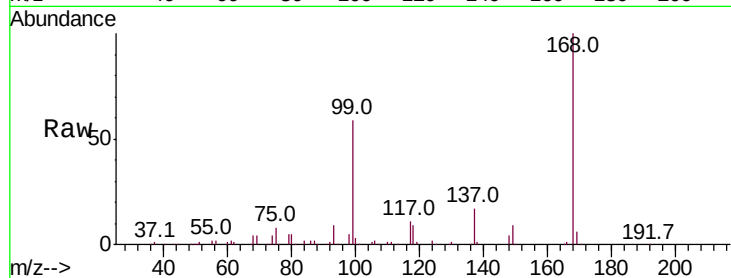




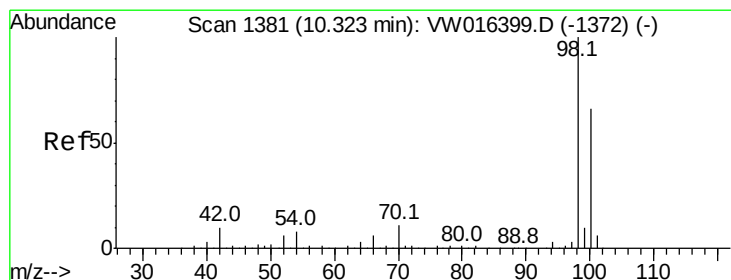
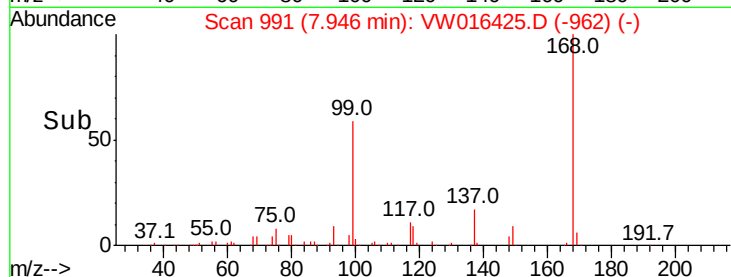
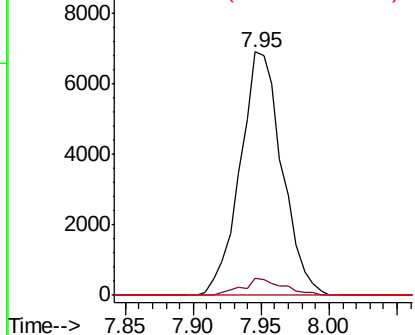
#38
Carbon Tetrachloride
Concen: 5.970 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW016425.D
Acq: 31 Aug 2020 21:03

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-03-A

Tot Ion:117 Resp: 14927
Ion Ratio Lower Upper
117 100
119 6.8 76.3 114.5#
121 0.0 23.0 34.6#

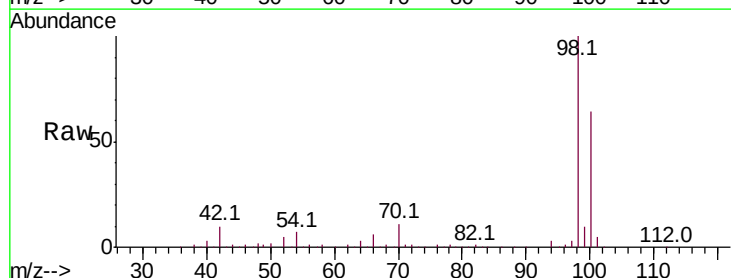


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

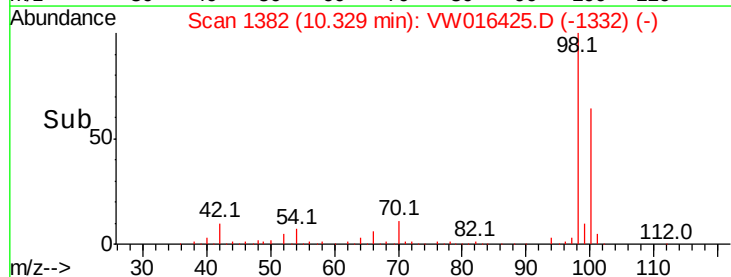
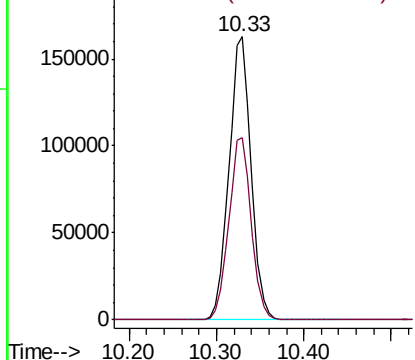


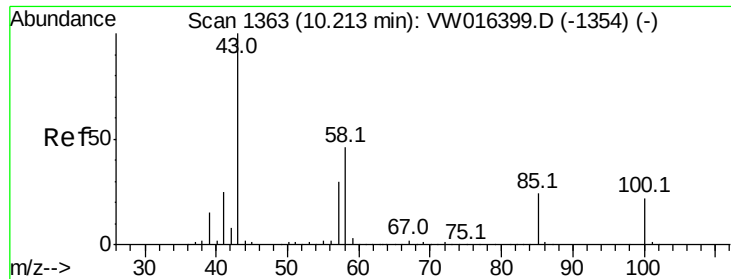
#50
Toluene-d8
Concen: 50.217 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016425.D
Acq: 31 Aug 2020 21:03

Tgt Ion: 98 Resp: 285372
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 3.182 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

Instrument :

MSVOA_W

ClientSampleId :

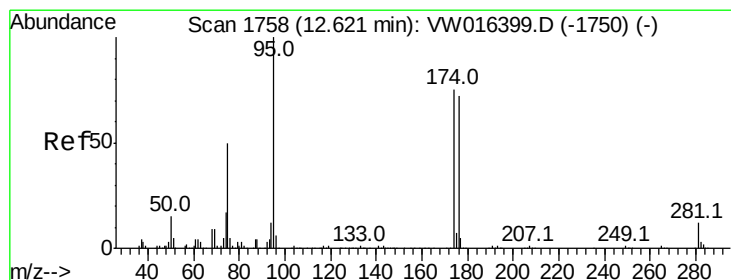
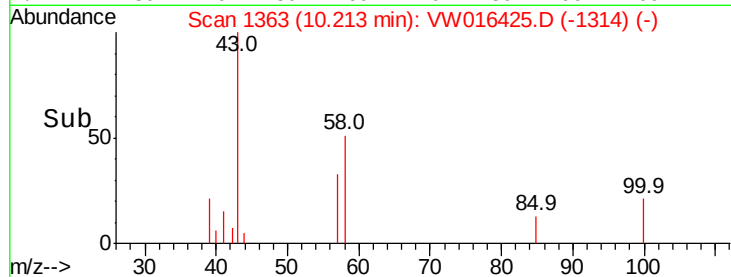
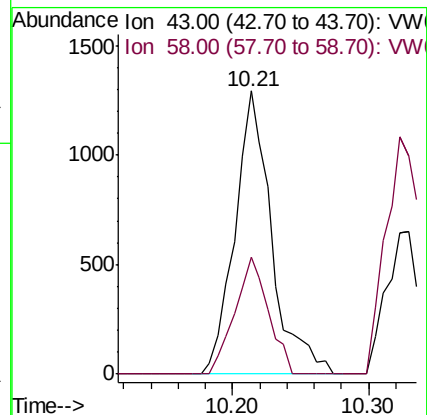
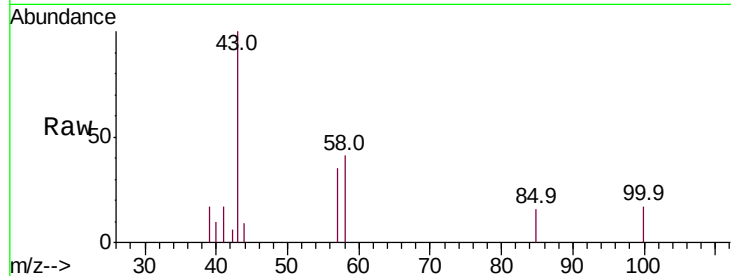
LINDEN-BH-03-A

Tot Ion: 43 Resp: 2427

Ion Ratio Lower Upper

43 100

58 37.7 35.4 53.0



#62

4-Bromofluorobenzene

Concen: 47.831 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016425.D

Acq: 31 Aug 2020 21:03

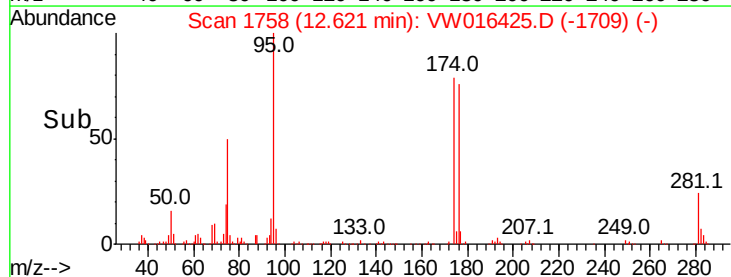
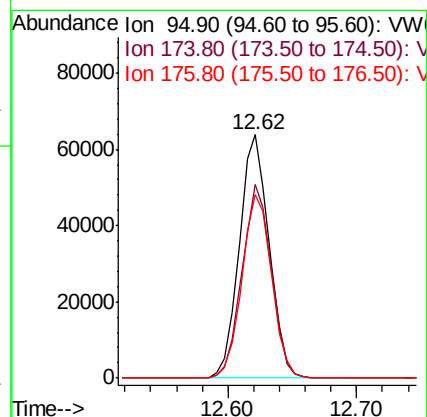
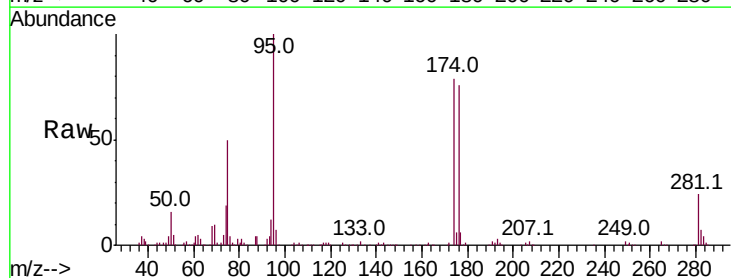
Tgt Ion: 95 Resp: 101927

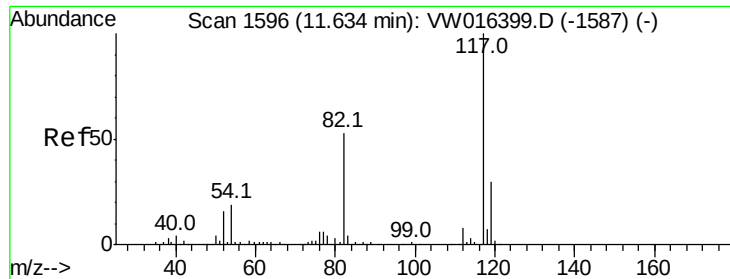
Ion Ratio Lower Upper

95 100

174 78.3 0.0 152.0

176 75.1 0.0 145.6

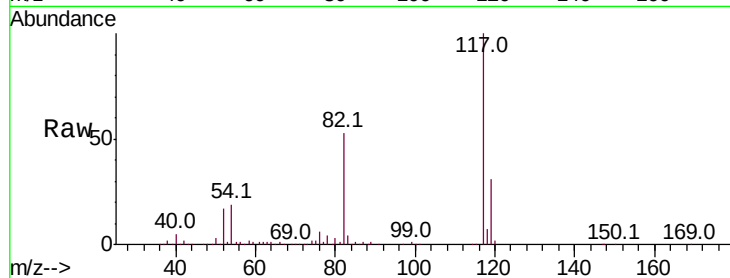




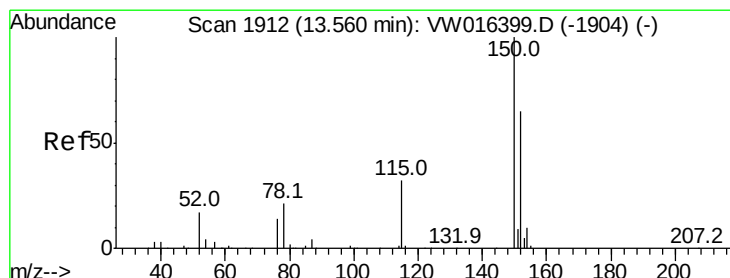
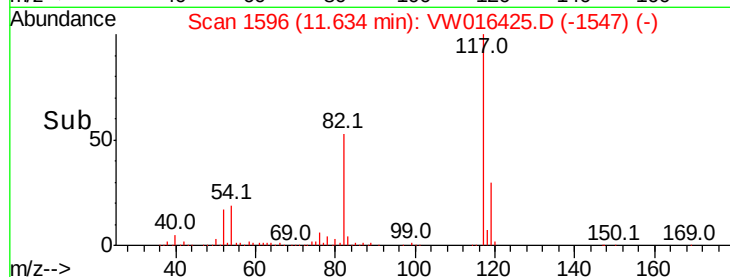
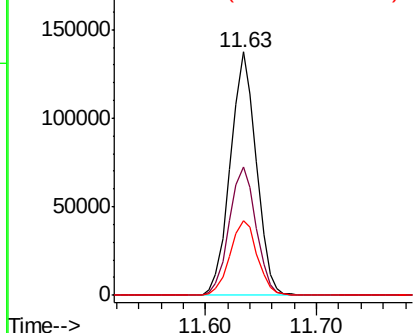
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016425.D
Acq: 31 Aug 2020 21:03

Instrument :
MSVOA_W
ClientSampleId :
LINDEN-BH-03-A

Tot Ion:117 Resp: 221870
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 30.4 24.2 36.4

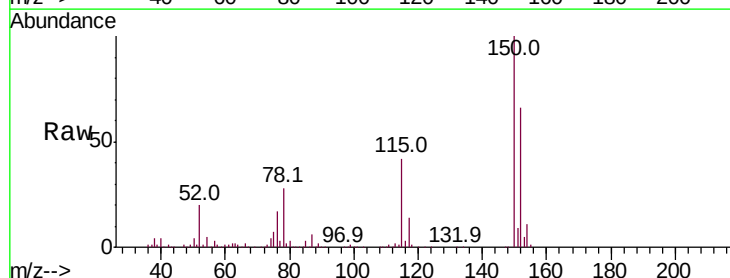


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

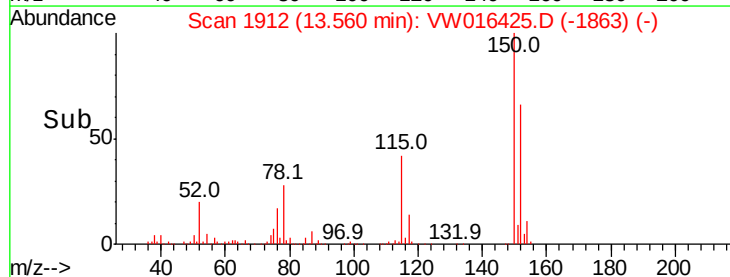
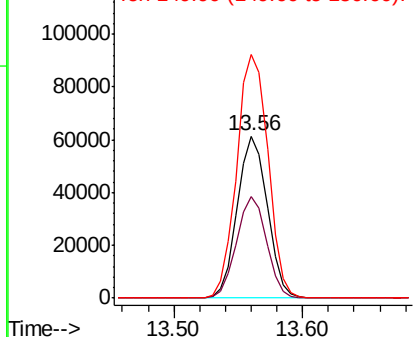


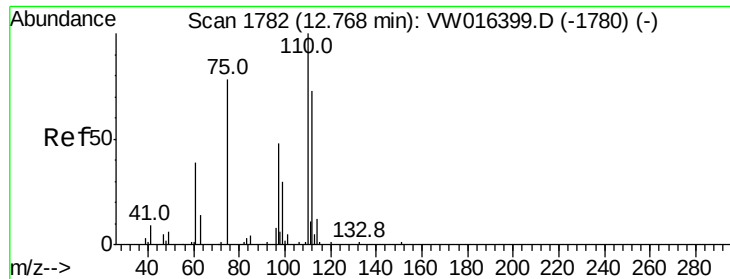
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016425.D
Acq: 31 Aug 2020 21:03

Tgt Ion:152 Resp: 99360
Ion Ratio Lower Upper
152 100
115 62.7 30.9 92.5
150 156.2 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

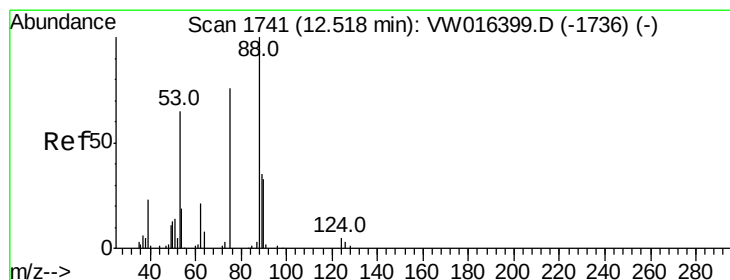
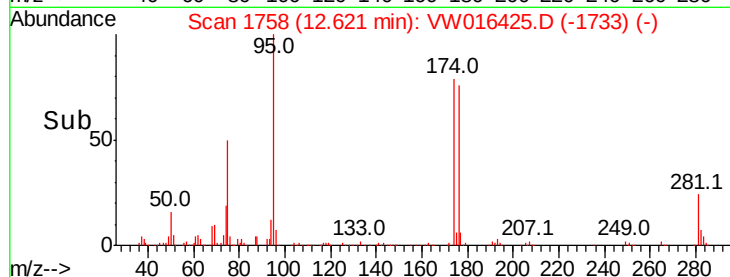
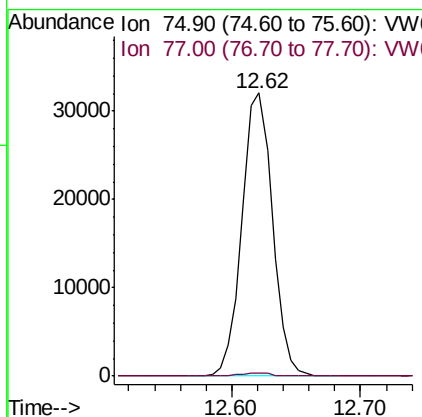
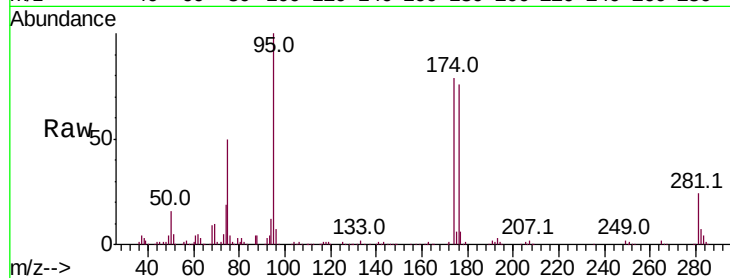




#76
 1,2,3-Trichloropropane
 Concen: 59.770 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW016425.D
 Acq: 31 Aug 2020 21:03

Instrument :
 MSVOA_W
 ClientSampleId :
 LINDEN-BH-03-A

Tot Ion: 75 Resp: 52514
 Ion Ratio Lower Upper
 75 100
 77 1.1 173.4 520.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.701 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW016425.D
 Acq: 31 Aug 2020 21:03

Tgt Ion: 75 Resp: 52514
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.2 112.8#
 89 0.5 40.4 60.6#

